HBR636

Slim Barometric Weather Station with Radio Controlled Clock, Moonphase Display and In/ Out Thermo-Hygrometer

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1. INTRODUCTION

Thank you for selecting the HBR636 from IROX. In your hands, you hold a high-quality weather station which we have equipped with additional functions that have above-average design and functionality in a market comparison.
Please keep this manual handy as it contains practical instructions, technical specifications and precautions.

In this package, you will find:
• One main unit (receiver)
• One separate table stand
• One single-channel remote sensor (transmitter)
• One user manual

FEATURES OF THE MAIN UNIT

Time
• Precise time and date set via radio controlled time signals (DCF 77) from the time transmitter in Frankfurt
• 12 or 24 hour time format selectable
• Manual adjustment of time and date
• Calendar date with month and day in 7 languages English, German, French, Italian, Spanish, Dutch and Swedish
• Dual crescendo alarms with snooze
• Programmable per alert alarm in case of potential ice on the road

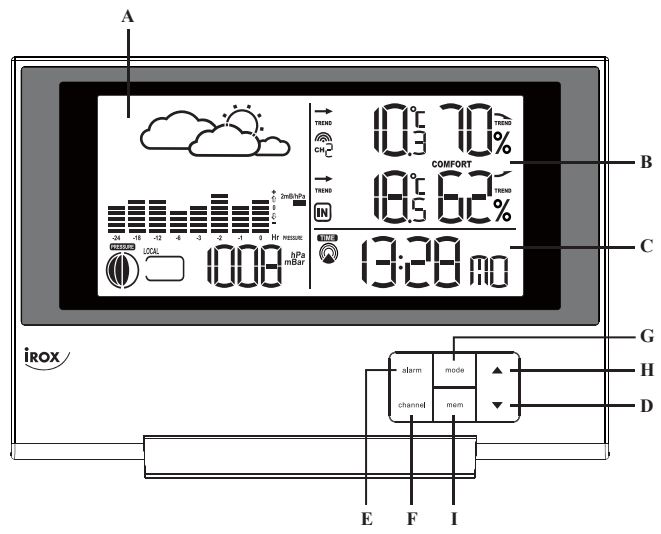
Weather
• Weather forecast for the next 12 to 24 hour in seven large icons: sunny, slightly cloudy, cloudy, rainy, heavy rainy, snowy and heavy snowy.
• User-defined high/low temperature alarm
• Indoor/outdoor temperature and humidity in up to 3 remote locations (Channel 1 sensor included, additional sensors required for Ch 2 and 3)
• Barometric pressure in imperial or metric units
• Altitude adjustment for pressure compensation to sea level
• 24 hour barometric pressure history chart
• Comfort level indicators (Dry, Humid, Comfort)

FEATURES OF THE REMOTE SENSOR
• Remote data transmission to the main unit via 433 MHz frequency

2. OPERATING ELEMENTS

2.1 LCD (DISPLAY) AND KEYS / FRONT VIEW

All functions are depicted on the liquid crystal display (LCD) in 3 windows.



A. WEATHER/ PRESSURE window

B. TEMPERATURE/ HUMIDITY window

C. CLOCK window

D.▼ (DOWN) button
• Select the next available mode
• Press and hold for 2 seconds to search for wireless signal from remote sensor.
• Decrease parameters in the setting mode.

E. ALARM button
• When time mode has been selected, press once to display the alarm time of weekday alarm (W), single alarm (S) and pre-alarm (Pre-AL).
• Hold for 2 seconds, set weekday, single or pre-alarm's alarm time.
• When temperature mode has been selected, press once to display the highest or lowest temperature alarm's value.
• Hold for 2 seconds, set the highest or lowest temperature alarm's value.
• When alarm is on, press once to stop the alarm temporarily.

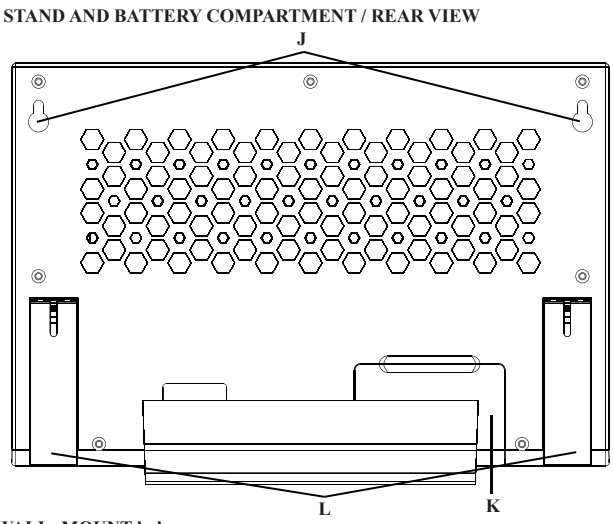
F. CHANNEL button
• Press to display the outdoor temperature readings of Channels 1, 2 and 3. (additional remote sensors are required)
• Hold for 2 seconds, enter into the circulation mode and outdoor temperature readings of Channels 1, 2 and 3 will be displayed automatically in every 5 seconds.

G. MODE button
• When pressure mode has been selected, press once to display the local pressure, altitude and sea level.
• Press and hold for 2 seconds to set altitude and sea level.
• When time mode has been selected, press once to toggle between time with seconds display or time with weekday display.
• Press and hold for 2 seconds, set language of the day of the week, year digit, month digit, date digit, hour format (12/ 24 hours), calendar format, hour digit and minute digit.
• When temperature mode has been selected, press and hold for 2 seconds to toggle the temperature unit between Celsius or Fahrenheit.

H.▲ (UP) button
• Press to select the next available mode
• Increase the parameters
• In time with seconds display mode, press and hold for 2 seconds to activate/ deactivate radio controlled time signal search manually.

I. MEM (HISTORY) button
• When temperature mode has been selected, press to recall the minimum or maximum temperature and humidity readings of main and remote units.
• Press and hold for 2 seconds, collected memories will be cleared.
• When pressure mode has been selected, press once to check the historical pressure data for the past 24 hours.

2.2 STAND AND BATTERY COMPARTMENT / REAR VIEW



J. WALL- MOUNT hole
• A recessed opening to mount the unit on a wall

K. BATTERY COMPARTMENT
• Accommodate two (2) CR2032 batteries

L. FOLD OUT TABLE STAND
• In addition you will find a separate table stand, giving the unit a special elegance when positioned in a shelve or on a table

2.3 REMOTE TEMPERATURE/HUMIDITY SENSOR

A. BATTERY COMPARTMENT: Holds two AAA-size batteries

B. WALL-MOUNT RECESSED HOLE: Mount the sensor using the clip on the wall

3. PUTTING INTO OPERATION

The communication between the main unit (receiver) and the remote sensor (transmitter) is wireless, thus simplifying the installation. The remote temperature sensor transmits data to the main unit, with an operating range of up to 100 feet (30 meters) in opened area. The remote temperature sensor can be placed indoors or outdoors, depending on the area where the temperature is intended to be measured. If you intend to measure outdoor conditions, place the remote sensor outdoors.

Start-up the transmitter-receiver communication:

- It is important to power-up the remote sensor **BEFORE** powering-up the main unit. Immediately after batteries are installed, the remote sensor will start transmitting a temperature and humidity data to the main unit.
- It is strongly recommended to power up and **test** communication between the remote sensor and the main unit **BEFORE** permanently mounting the sensor outside.
- During initial set up, place the remote sensor within a range of 1m to the main unit in the same room, both receiver and transmitter far from any other electric product.
- After reception is established (remote readings will appear on the main unit's display), position the remote sensor and the main unit within the maximum transmission range of up to 30 meters (100 feet).

NOTE:

- Avoid pressing any button on the main unit before the remote readings are displayed.
- Transmission or reception range may be affected by trees, metal structures, electronic appliances, surrounding building materials and how the main unit and transmitter are positioned.

Placement of sensor and main unit

- Place the remote sensor so that it faces the main unit (receiver), minimizing obstructions such as doors, walls and furniture.
- Though the remote sensors are weather-resistant, they should be placed away from direct sunlight, rain or snow. The optimal location for the outdoor sensor is under the eaves on the north side of a building with free air circulation.
- The remote sensor can be placed on the flat surface or mounted on the wall in vertical position by using the included stand. For fixing the stand, use a screw, rather than a nail.
- Ideally, place the remote sensor over soil, rather than asphalt which may affect the correct measurement.
- Avoid placing the remote sensor near sources of heat, such as chimneys and heating elements
- Avoid areas that collect heat from the sun and radiate heat, such as metal, brick or concrete structures, paving, and patios
- The international standard for the valid air temperature measurements is 1.25meters (4 feet) above the ground
- When mounting the main unit on the wall or vertical surface, fold the table stand back into the unit.
- Make sure that the main unit is locating within the operating range of all remote sensors.
- Ideally the main unit should be placed within line of sight of remote sensors. Avoid placing the main unit where surfaces emitting and radiating heat (e.g. heating ducts or air conditioners) and areas with interference from wireless devices (e.g. cordless phones, radio headsets, baby monitoring devices and other electronics).

Important notice about batteries

- The HBR636 is delivered with batteries to make the start-up easy for you. These batteries may not last as long as fully new batteries may. Once you have to replace the batteries on the outside sensor, we recommend to use **alkaline batteries.** Advantage of this is a better performance in case the outside temperature falls below 0° (32°F). For optimum performance, we recommend even lithium batteries.
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements.)
- **ALWAYS** install batteries in the **remote** sensor ***before*** the main unit.
- Insert batteries before first use, matching the polarity in the battery compartment.

4. OPERATION

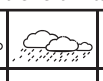
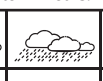
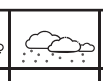
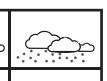
Immediately after batteries are installed, the remote sensor will start transmitting the temperature and humidity data to the main unit in regular intervals.
Once the main unit is powered-up by activating the batteries, the display will show all available LCD segments for a moment.

IMPORTANT: After this, all of the display functions will be locked for about 1 minute (or as long as you are performing a setting), allowing setting your local altitude and pressure parameters by pressing the **UP (▲)** or **DOWN (▼)** and **MODE** buttons. The locked display will show the pressure icon and abbreviation **"hPA/mBar"** flashing in the **Weather/ Pressure Window,**
If pressure and altitude are not set within this minute, the unit will self-calibrate and show the default settings for the pressure and altitude (sea level).After this, the unit will scan the remote sensors (Ch 1 to Ch 3) in the **Temperature/ Humidity Window**. There is no immediate need to press any button during this process.
After this, the unit will start to scan the DCF77 time transmitter in the **Clock Window**. Thereby, the default time the unit has started with at the beginning is 12:00. Here too, there is no immediate need to press any button during this process.

Recommendation: Allow the unit to receive the sensors and the time **without touching ANY button** for about 6-8 minutes during the main unit initial set up. This will give the unit time to synchronize with remotes, stabilize pressure readings and settle with default settings.

4.1 WEATHER FORECAST

This unit is capable of detecting the atmospheric pressure changes. Based on collected weather data, it forecasts the weather for the next 12 to 24 hours.

When the display shows...							
Forecast is...	Sunny	Partly Cloudy	Cloudy	Rainy	Heavy Rainy	Snowy	Heavy Snowy

NOTE: The weather forecast accuracy is approximately 70%. The HBR636 shows the forecasted (predicted), not the current conditions. The SUNNY icon indicates clear weather, even when displayed during the night-time.

4.1.1 OPERATION OF THE WEATHER/PRESSURE WINDOW

For all operations described in Chapter 4.2, press **UP (▲)** or **DOWN (▼)** until the pressure icon **"PRESSURE"**, to the left of the barometric pressure value, begins to flash.

The pressure window displays the weather forecast and the local barometric or sea level pressure. Additionally you may see some statistical data like the pressure reading and bar-chart for the past 24 hours or a temperature or humidity history bar chart.
Pressure can be displayed in hPa/mBar, inHg or mmHg, and altitude is set in meters or feet.

There are three viewing options available: barometric pressure **SEA LEVEL** or **LOCAL** or **ALTITUDE**. Local pressure is a measured value (can't be adjusted) while the **SEA LEVEL** is calculated from the **Altitude** setting. You may also set the **SEA LEVEL** value directly, but it is advisable to program only the **Altitude** and allow the unit to calculate the **SEA LEVEL** value. The direct setting of the **SEA LEVEL** is only advised if you wish to calibrate the **SEA LEVEL** pressure based on very accurate pressure information for your location.

The unit is designed to measure the pressure changes at your **specific location** and show this value as the **LOCAL** barometric pressure.

The **SEA LEVEL** pressure value is meant to match your local meteo information (like on TV, radio, newspaper etc.).

4.1.2 SETTING INITIAL PRESSURE PARAMETERS

NOTE: The unit will automatically exit any programming mode if it does not detect a button press for about 1 minute.

SELECT PRESSURE AND ALTITUDE UNITS
Select the PRESSURE window.
Press **MODE** button, to toggle through selections until **"SEA LEVEL"** or **"LOCAL"** barometric pressure is displayed.
Press and hold **MEM** button to enter the setting of the pressure unit (unit blinking). Press the **UP (▲)** or **DOWN (▼)** button to select the preferred barometric pressure unit: hPa/mBar, inHG or mmHg (hPA is the international standard: 1hPA = 1 mBar.). Press **MEM** to confirm your selection.
Then press **MODE** to move to the **Altitude unit** selection mode. Press and hold **MEM** button to enter select the altitude unit (unit blinking). Press the **UP (▲)** or **DOWN (▼)** button to select **FEET** or **METER**. Press **MEM** to confirm.

PROGRAMMING ALTITUDE
Select the PRESSURE window.
Press **MODE** to move to the **Altitude** setting.
Press and hold **MODE** to move to the **ALTITUDE** value setting (altitude value blinking).
Press **UP (▲)** or **DOWN (▼)** to adjust the altitude value to your location. (Press and hold either button for fast adjustment)
Press **MODE** to confirm the programming selection.

PROGRAMMING SEA LEVEL PRESSURE (not required if you did altitude)
Select the PRESSURE window.
Press **MODE**, to toggle through selections until **"SEA LEVEL"** is displayed.
Press and hold **MODE**, until the barometric pressure digits are flashing.
Enter the desired sea level pressure value by pressing **UP (▲)** or **DOWN (▼)** buttons. (Press and hold either button for fast adjustment).)
Press **MODE**, to confirm sea level value selection.

VIEWING PRESSURE AND ALTITUDE INFORMATION
Select the PRESSURE window.
Press **MODE**. With each press, the display will alternate between the sea level pressure, local pressure and the local altitude.

VIEWING SEA LEVEL PRESSURE HISTORY
Select the PRESSURE window.
Press **MEM** to enter the sea level pressure display.
When the **SEA LEVEL** is displayed, press **MEM** repeatedly viewing the sea level pressure history for the past 24 hours in 1 hour intervals.
If no buttons are pressed for 5 seconds, the unit will automatically return to the default Pressure and Weather Forecast Mode.

VIEWING PRESSURE, TEMPERATURE AND HUMIDITY CHARTS
The bar chart in **Pressure Window** can be configured to display a historical data for the sea level pressure and temperature or humidity for channel 1 (only channel 1!).
After selecting the **Pressure Window**, press and hold **ALARM** button to toggle the bar chart between the sea level pressure with a word **"PRESSURE"** displayed at the right bottom corner of the chart, temperature with a thermometer icon and **"CH1"** and a humidity with **"RH"** icon and **"CH1"**.

4.1.3 MOON PHASE

In steps of 3 days, the current moon phase is displayed by the following icons (the dark part is same as with the moon: dark !)

4.2 TEMPERATURE/ HUMIDITY WINDOW

The main unit supports up to 3 remote sensors, each corresponding to a separate channel of the temperature and relative humidity display. The temperature can be displayed in Celsius (ºC) or Fahrenheit (ºF).
The main unit carries the "indoor" temperature and humidity sensor and uses this data to calculate the indoor comfort level - **Wet, Comfort, Dry** or **"NO INDICATION"**.
A temperature alert function is available for all channels. It can be programmed to sound once one of the remote temperatures exceeds or falls below the pre-set upper and lower limits.

OPERATION OF THE TEMPERATURE/HUMIDITY WINDOW

For all operations described in Chapter 4.4, press **UP (▲)** or **DOWN (▼)** until the IN icon, to the left of the indoor temperature value, begins to flash.

FORCED SEARCH FOR REMOTE SENSORS
Select the TEMPERATURE/HUMIDITY window.
The main unit can be manually activated to search for the signal from the selected remote sensor by pressing and holding the **DOWN (▼)** button.

The wave icon above the current channel icon shows the connection status of the corresponding remote sensor:

Icon	Status
	Searching for the signals from the remote sensor
	Corresponding remote sensor signal received successfully
	No signals received for over 1 hour

VIEWING REMOTE (CHANNEL) TEMPERATURE AND HUMIDITY
Select the TEMPERATURE/HUMIDITY window.

Static Display: Press the **CHANNEL** button to select measurements from different remote sensors (channel 1, 2 or 3).
Channel Auto-Scan Display: To enable an automatic scan of all present channels, press and hold **CHANNEL**, until the icon is displayed. The measurements from each remote channel will be alternately displayed with a 5 seconds viewing.
NOTE: the channel auto-scan feature can be active only if there **are more than one** remote sensors operating and are MODE to different channels.

PROGRAMMING TEMPERATURE IN CELSIUS OR FAHRENHEIT
Select the TEMPERATURE/HUMIDITY window.
Press and hold **MODE** button for 3 seconds to toggle the temperature unit in Celsius (ºC) or Fahrenheit (ºF).

TEMPERATURE ALARM
Select the TEMPERATURE/HUMIDITY window.
Press **ALARM** button selecting the desired alarm, the upper temperature alert with ▲ icon (if disabled, display shows **OFF**), or lower temperature alert with ▼ icon (if disabled, display shows **OFF**).
Press and hold **ALARM** button until the temperature digits flashing. Adjust the temperature digits using the **UP (▲)** or **DOWN (▼)**. Press and hold either button for fast setting. Press the **ALARM** to confirm selection and return to the temperature alarm selection screen
ACTIVATING OR DEACTIVATING TEMPERATURE ALARMS:
Once the above alerts are displayed, press the **UP (▲)** to enable or **DOWN (▼)** to disable the alert.

VIEWING MAX/MIN READINGS
Select the TEMPERATURE/HUMIDITY window.
Press the **MEM** button to read the minimum temperature and humidity of all sensors (indoor and remote) with the MIN, next MEM press the maximum values with the **MAX** icon and then back to the current values.

RESETTING TEMPERATURE MEMORIES
Select the TEMPERATURE/HUMIDITY window.
Press and hold the **MEM** button for 3 seconds to clear all max/min memories.

COMFORT LEVEL INDICATION
The main unit is capable of detecting and displaying the current indoor comfort levels of the room climate. The comfort level is based on the combination of the current indoor temperature and humidity reading. The following comfort levels may be displayed:
COMFORT (comfortable); **WET** (wet) and **DRY** (dry)

Indicator displayed	Temperature Range	Humidity Range	Shows current condition
COM	20°C to 25°C (68°F to 77°F)	40%RH-70%RH	Ideal relative humidity and temperature
WET	-5°C to 50°C (23°F to122°F)	OVER 70%RH	Contains excess moisture
DRY	5°C to 50°C (23°F to122°F)	BELOW 40%RH	Contains inadequate moisture

Note: If there is no comfort indication, this means that it is not wet and not dry, but the temperature is higher or lower than the indicated comfort level.

4.3 CLOCK WINDOW

For all operations described in Chapter 4.5, press **UP (▲)** or **DOWN (▼)** until the **TIME** icon, in the left corner of the time window, begins to flash.

4.3.1 TIME FUNCTION
The radio controlled time signal (DCF 77) is transmitted from the central atomic clock in Frankfurt/Main. It has a reception range of approx. 1500 km. If the tower icon is not fully lit, or if the time and date are not set automatically, please consider the following:
During night-time hours, atmospheric disturbances are typically less severe and radio signal reception may improve. A single daily reception is sufficient enough to keep the clock accuracy within 1 second.
Make sure the unit is positioned at least 2 meters (8 feet) distance from any interference source such as a TV, computer monitor, microwave, etc.
Within concrete and /or metal wall rooms, such as basements or office buildings, the signal may be weakened. In such a case, place the main unit near the window for better reception. Sometimes it also helps to turn the unit by 90°

NOTE: In any of below described settings, the unit will automatically exit any programming mode if it does not detect a button press for about 2 minutes. Any setting made before this will not be taken over by the unit. Therefore, as long you are in a setting and you have made changes, close the setting mode as described in below chapters.

HOW TO SET THE RADIO CONTROLLED CLOCK
1. After the batteries are installed. The clock will search the radio signal automatically (DCF77 from Germany). It takes about 3-10 minutes to finish this process.
2. If you wish to disable the auto-reception feature, hold **UP (▲)** for 3 seconds to disable it. Having done that, the tower icon will disappear.
3. To enable the auto-reception feature again, hold **UP (▲)** for 3 seconds again to start the reception and the regular synchronization (daily at 0:00, 3:00, 6:00 and 12:00).

ICON	Time Signal Reception Strength
(Flashing)	Undefined data
▲	No Reception for the past 24 hours
▲	Weak signal, but can be decoded
▲	Strong signal

4. If the radio signal is received, the date & time will be set automatically and the radio control signal icon [▲] turns on.
5. If the clock fails to receive the time signal, it will show the [▲] icon. If the time is not correct, you may set the time manually.

HOW TO SET THE CLOCK MANUALLY
To set the clock manually, make sure the display shows the time (**not** the **ZONE**) and then press and hold MODE.
Now it will show the language. You may choose among English (En), German (DE), French (Fr), Italian (IT), Spanish (SP), Dutch (Du) and Swedish (SW). Press **UP (▲)** or **DOWN (▼)** to change it.
Press **MODE** to confirm. Repeat the same procedure to set the year, month, day, day-month format, 12/24 hour format, hour and minute. During the setting, press and hold will change the value rapidly.
If there is an item you do not wish to change, simply press **MODE** to bypass the item.
After the last setting, pressing **MODE** will exit the setting mode and return to the clock mode.

HOW TO SET THE TIME ZONE
To set the time zone, make sure the display shows the time with the **ZONE** icon. Then press and hold **MODE**.
Press **UP (▲)** or **DOWN (▼)** to adjust value in steps of 30 min. Press and hold either button for fast advance. Press **MODE** to confirm your selection.

SELECT THE CLOCK/CALENDAR DISPLAY
Each time you press **MODE**, you may rotate from one of the following dispalys to the next:
- Hour: Minute: Second
- Hour: Minute: Weekday
- Hour: Minute: Weekday of the Time Zone
- Hour: Minute: Second of the Time Zone
- Day: Month

4.3.2 WAKE-UP ALARM FUNCTION
There are three time alarms available on the main unit:
* Weekday Alarm
  The alarm sound will be activated and the icon will flash on weekdays (Mo-Fr) when it is armed and the alarm time is reached.
* Single Alarm
  The alarm sound will be activated and the icon will flash when it is armed and the alarm time is reached. Once it finished, it will be disabled automatically
* Pre-Alarm PRE-AL
  The pre-alarm will be activated and the icon will flash if the temperature of channel 1 is falling to +0 ºC or below.
  It is programmable 15, 30, 45, 60 or 90 minutes earlier than the weekday alarm or single alarm time.

ACTIVATING / DEACTIVATING THE TIME ALARMS
1. Press **ALARM** to rotate between:
   - Weekday Alarm Time (displays OFF if weekday alarm deactivated)
   - Single Alarm Time (displays OFF if single alarm deactivated)
   - Pre-Alarm Time (displays OFF if pre-alarm deactivated)
2. When the above alarms are displayed, pressing **UP (▲)** will activate, pressing **DOWN (▼)** will deactivate the corresponding alarm.

Note: Press **MODE** anytime during above alarm selection mode to return to normal clock display.

SETTING THE TIME ALARMS
1. Press **ALARM** to select the alarm which you wish to configure.
2. Press and hold **ALARM/** until hour starts flashing in the display
3. Set Alarm Hour:
   Press **UP (▲)** or **DOWN (▼)** to adjust. Press and hold either button for fast changes.
   Press **ALARM** to confirm your selection.
4. Set Alarm Minutes:
   Press **UP (▲)** or **DOWN (▼)** to adjust. Press and hold either button for fast changes.
   Press **ALARM** to confirm your selection
5. Upon completion the display will be returned to the alarm selection screen.

Note: Pre-alarm cannot be activated if weekday alarm or single alarm is not enabled.

STOP THE ALARM SOUND
The alarm will sound for 2 minutes with increasing intensity.
To stop it, press **ALARM** during the Alarm Sound to disable the alarm.
Note: For weekday alarm, pressing **ALARM** will only disable the alarm for the current day. The alarm will be activated again the next day (if it falls within Monday to Friday).
If the Alarm is not interrupted by pressing the ALARM key, it will repeat itself after 8 minutes for 3 times.

5. TROUBLESHOOTING
In case of a malfunction, always check the batteries and replace them in the main unit **and** in the sensor(s) with new ones.
Please also check below issues before contacting customer service.

Issue	Symptom	Solution
Main unit	Radio Controlled Time signal is not received	Place unit by the window and keep it there overnight
Remote sensor	Cannot locate remote sensor	Check batteries
		Check location
		Press and hold **DOWN** (▼) button on the main unit to search for the signal form the remote sensor

6. BATTERY CHANGE

: BATTERY CHANGE DISPLAY

The batteries last for around 8-12 months. Depending on the usage of the unit and the batteries used, this time can be slightly shorter or longer. In order to avoid a surprising and unpleasant interruption to operations, a battery symbol may appear
- in the **temperature window** with the corresponding channel.
This means that batteries of the displayed sensor are becoming weak and need to be replaced.
- in the **time window**
This means that batteries of the main unit are becoming weak and need to be replaced.
To change the batteries, please also consult Chapter 3 (Putting into operation).

Important:
- Insert batteries in the correct polarity
- Use only new batteries and never mix old and new batteries.

Please also remember that used batteries should not be thrown in the household rubbish bin but handed in at the designated collection points. The environment will thank you for it!

7. CARE INSTRUCTIONS
- Do not expose the device to extreme temperatures or direct sunlight over longer periods.
- Avoid blows and shocks of any kind to the device.
- For cleaning use a dry soft cloth that you have moistened with water and a mild cleaning agent. Never use volatile substances such as benzene, thinner, cleansing agents in spray cans etc.
- When the device is not being used store it in a dry area and out of the reach of small children.
- If the device is activated under extreme coldness it may occur that the display becomes illegible. As soon as it is returned to a warm environment the device will function normally.
- Please keep the user's manual and other documents delivered with the device stored carefully so that you can reference them at a later point if necessary.
- Please use only new batteries and never mix old and new batteries.
- Please also remember that old batteries should not be disposed of with household waste but should be handed in at the designated collection centres.
- Important: With all Irox appliances, all disposal fees in Switzerland (vRG; advance recycling fee) and in the EU (WEEE) have been paid.

8. SUPPORT

This device is a new development of Irox Development Technology. All information was made and checked by means of a functioning instrument. It may occur that adjustments and improvements of the device will take place that due to typographical procedures were not able to be listed in this manual. Should you notice deviations which make it difficult for you to operate and use the instrument you may at any time download the latest manual onto your PC free of charge at **www.irox.com** (please refer to the version number of the manual).

9. TECHNICAL DATA

MAIN UNIT

Indoor Temperature
Operating range: -5°C to +50°C / 23.0°F to 122.0°F
Temperature resolution: 0.1°C / 0.2°F

Indoor Humidity
Operating Range: 30% to 80%
Resolution: 1%
Accuracy: +/- 5%
Sampling Interval: 10 seconds

Barometric Pressure
Measuring Range: 750 to 1100mb/hpa at 25°C (22.15 to 32.49inHG)
Sampling interval: 20 minutes

Power
2 x CR2032 size 3V batteries

Dimensions
178(L) x 120(H) x 9.5(W) mm

REMOTE SENSOR

Temperature
Operating range with alkaline batteries:
-10°C to + 60°C (14°F to + 140°F)
Temperature resolution: 0.1°C/ 0.2°F

Humidity
Operating Range: 30% to 80%
Resolution: 1%
Accuracy: +/- 5%
Sampling Interval: 10 seconds
Transmitting Interval: around 47 seconds
RF Transmission Frequency: 433 MHz
RF range: Maximum 100 feet (30 meters)
Temperature transmission cycle: approximately 45 seconds
Wall-mount or Table stand

Power
2 x AAA size 1.5V batteries

Dimensions
37.5(L) x 110(H) x 23(W) mm

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